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NPIC/R-1160/64

April 1964

PHOTOGRAPHIC INTERPRETATION REPORT

IPIR

GOLDEN TREE MISSION 3874

31 MARCH 1964

Declass Review by
NIMA/DOD

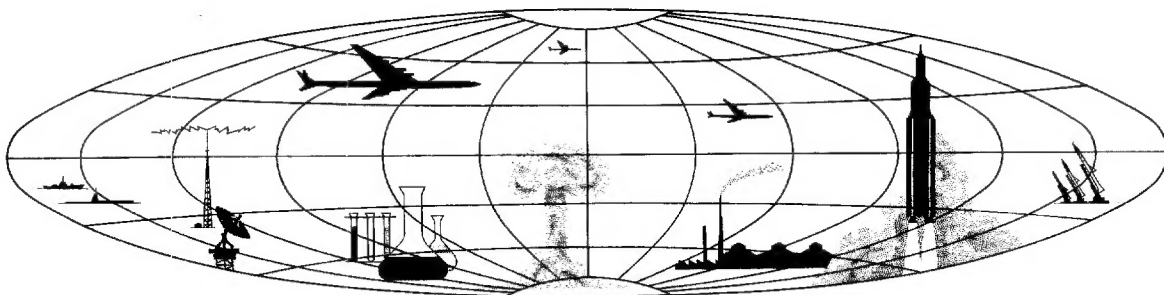


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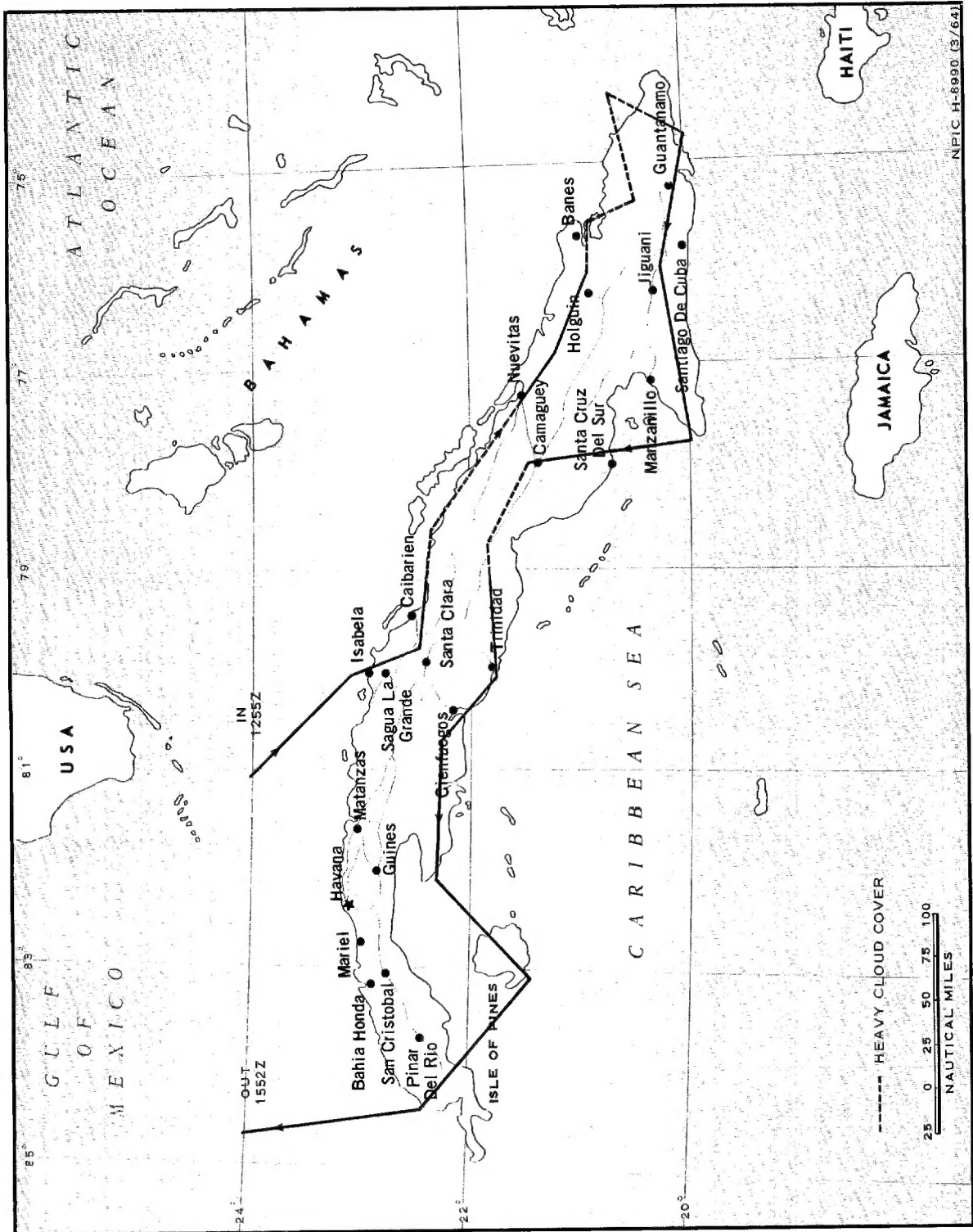
PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GOLDEN TREE MISSION 3874, DATED 31 MAR 1964. THE NUMBER APPEARING AT THE END OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), PQ (POOR IMAGE QUALITY).

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APPROXIMATE TRACK OF GOLDEN TREE MISSION 3874, 31 MARCH 1964.

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ITEMS OF SPECIAL INTEREST

ATTACHMENT 1 -- CAMAGUEY AIRFIELD SAM SITE [REDACTED]
ATTACHMENT 2 -- SANTA FE MILITARY AREA [REDACTED]

25X1
25X1

MISSILES

SAGUA LA GRANDE MRBM SITE 2 2239N 07951W

SITE ABANDONED.
NO ACTIVITY OBSERVED.

25X1

25X1

SAN JULIAN SAM SITE 2205N 08408W

SIX REVETTED LAUNCHERS (3 CANVAS-COVERED), 3 CANVAS-OR NET-COVERED HOLD POSITIONS, 13 TRACKED PRIME MOVERS, 8 OTHER VEHICLES, AND A GUIDANCE REVETMENT WITH RADAR AND NET-COVERED EQUIPMENT OBSERVED. TWO ADDITIONAL LAUNCHERS, A FAN SONG RADAR, 6 VAN TRUCKS, AND 4 VAN TRAILERS REMAIN ADJACENT TO THE RING ROAD.
NO APPARENT CHANGE IN FACILITIES.

25X1

CIENFUEGOS SAM SITE 2202N 08024W

SIX UNREVVETTED LAUNCHERS (3 WITH MISSILES), 11 MISSILE TRANSPORTERS, 3 NET-COVERED HOLD AREAS, 11 TRACKED PRIME MOVERS, 4 CARGO TRUCKS, 2 VAN TRUCKS, ONE TRUCK-MOUNTED CRANE, AND A GUIDANCE AREA WITH RADAR, ONE VAN TRUCK, AND CANVAS-COVERED EQUIPMENT OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1

25X1

SAGUA LA GRANDE SAM SITE 2251N 08005W

SIX REVETTED LAUNCHERS (AT LEAST 3 CANVAS-COVERED), ONE MISSILE TRANSPORTER IN LAUNCH REVETMENT, A CANVAS-COVERED HOLD AREA, AND A GUIDANCE REVETMENT CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.

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TWO ADDITIONAL LAUNCHERS, A FAN SONG RADAR, AT LEAST 4 VAN TRUCKS, AND AT LEAST 3 VAN TRAILERS REMAIN ADJACENT TO THE HOLD AREA.
NO APPARENT CHANGE IN FACILITIES.

25X1 .

CAIBARIEN SAM SITE 2228N 07929W

25X1

SIX UNREVIEWED LAUNCHERS (5 CANVAS-COVERED), ONE CANVAS-COVERED MISSILE TRANSPORTER, ONE CANVAS-COVERED HOLD AREA, 2 PROBABLE CARGO TRUCKS, 3 VAN TRAILERS, AND A GUIDANCE AREA CONTAINING RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1

SIGUANEA SAM SITE 2137N 08257W

25X1

SIX LAUNCHERS (5 REVIEWED, 3 CANVAS-COVERED, AND ONE WITH MISSILE), 3 MISSILE TRANSPORTERS, A CANVAS-COVERED HOLD AREA, 8 CANVAS-COVERED PROBABLE TRACKED PRIME MOVERS, APPROXIMATELY 20 OTHER VEHICLES, APPROXIMATELY 20 MISSILE CANISTERS, AND A GUIDANCE AREA WITH RADAR AND SHED-COVERED EQUIPMENT OBSERVED.
NW AREA -- NO VEHICLES OR EQUIPMENT.
SSE AREA -- ONE BULLDOZER, 5 OTHER VEHICLES, AND A CANVAS-COVERED PARKING AREA.

25X1

SANTIAGO DE CUBA SAM SITE 1959N 07550W

25X1

FOUR UNREVIEWED LAUNCHERS, 4 MISSILE TRANSPORTERS, 5 OTHER VEHICLES, AND A GUIDANCE AREA CONTAINING RADAR AND SHED-COVERED EQUIPMENT OBSERVED IN CLOUD-FREE AREAS.

25X1

SANTIAGO DE CUBA SAM ASSEMBLY AREA 2003N 07553W

TWENTY-SEVEN MISSILE TRANSPORTERS (10 CANVAS-COVERED

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AND 8 WITHOUT PRIME MOVERS), ONE MISSILE ON DOLLY, 6 TRACTOR-TRAILER TRUCKS, 9 TRACKED PRIME MOVERS (8 CANVAS-COVERED), AT LEAST 23 CARGO TRUCKS (16 CANVAS-COVERED), 2 VAN TRUCKS, 4 UTILITY TRUCKS, 2 TRUCK-MOUNTED CRANES, 20 OTHER VEHICLES, AND NUMEROUS MISSILE CANISTERS OBSERVED.

25X1

MALDONADO SAM SITE 2012N 07528W

25X1

SIX REVETTED LAUNCHERS (3 WITH MISSILES), A CANVAS-COVERED HOLD AREA, 13 PROBABLE TRACKED PRIME MOVERS (4 CANVAS-COVERED), 3 PROBABLE VAN TRAILERS, 3 OTHER VEHICLES OR PIECES OF EQUIPMENT, AND A GUIDANCE REVETMENT WITH RADAR AND CANVAS-COVERED EQUIPMENT OBSERVED.
NO APPARENT CHANGE IN FACILITIES.

25X1

CAMAGUEY AIRFIELD SAM SITE 2122N 07750W

25X1

SIX UNREVVETTED LAUNCHERS (2 CANVAS-COVERED AND ONE WITH MISSILE), 5 MISSILE TRANSPORTERS (4 CANVAS-COVERED AND ONE ADJACENT TO ONE OF THE ADDITIONAL LAUNCHERS OUTSIDE RING ROAD), 8 CANVAS-COVERED TRACKED PRIME MOVERS, 4 TRUCK-TRACTORS, 11 CARGO TRUCKS, 4 OTHER VEHICLES, AND A GUIDANCE AREA WITH RADAR, 4 VAN TRAILERS, AND CANVAS-COVERED EQUIPMENT OBSERVED. TWO ADDITIONAL EMPLACED LAUNCHERS (ONE WITH MISSILE), A PROBABLE RADAR, AND 7 VAN TRAILERS/VAN TRUCKS (ARRANGED IN A GUIDANCE AREA CONFIGURATION) REMAIN OUTSIDE RING ROAD.
(SEE ATTACHMENT 1).

25X1

HOLGUIN SAM SITE 2052N 07627W

25X1

SIX UNREVVETTED LAUNCHERS (4 CANVAS-COVERED), 3 CANVAS-COVERED MISSILE TRANSPORTERS, AND AN OCCUPIED GUIDANCE AREA OBSERVED.

25X1

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SANTA CLARA SAM SITE 2229N 08000W

25X1

SIX UNREVIEWED LAUNCHERS (AT LEAST ONE WITH MISSILE AND ONE CANVAS-COVERED), 3 CANVAS-COVERED MISSILE TRANSPORTERS ADJACENT TO LAUNCHERS, 2 CANVAS-COVERED HOLD AREAS, 8 CANVAS-COVERED TRACKED PRIME MOVERS, 7 CARGO TRUCKS, 2 OTHER VEHICLES, 3 VAN TRAILERS, AND A GUIDANCE AREA CONTAINING RADAR, 3 PROBABLE VAN TRUCKS, AND CANVAS-COVERED EQUIPMENT OBSERVED. NO APPARENT CHANGE IN FACILITIES.

25X1

25X1

NUEVITAS SAM SITE 2 2132N 07717W

SIX UNREVIEWED LAUNCHERS (3 WITH MISSILES AND 2 CANVAS-COVERED), ONE CANVAS-COVERED MISSILE TRANSPORTER, 9 CANVAS-COVERED TRACKED PRIME MOVERS, 2 CARGO TRUCKS, 2 VAN TRUCKS, 2 POSSIBLE UTILITY TRUCKS, 2 OTHER VEHICLES OR PIECES OF EQUIPMENT, AND A GUIDANCE AREA CONTAINING RADAR, 6 VAN TRAILERS, AND CANVAS-COVERED EQUIPMENT OBSERVED. NO APPARENT CHANGE IN FACILITIES.

25X1

SIGUANEA CRUISE-MISSILE SITE 2137N 08258W

25X1

TWO REVIEWED LAUNCHERS, 5 MISSILE TRANSPORTERS, 2 CRUISE MISSILES (ONE ON TRANSPORTER BEHIND A LAUNCHER) 8 CRUISE-MISSILE CRATES, ONE TRUCK-MOUNTED CRANE, 5 CARGO TRUCKS, AND A CANVAS-COVERED GUIDANCE AREA OBSERVED. NO APPARENT CHANGE IN FACILITIES.

25X1

MAYARI ARRIBA CRUISE-MISSILE ACTIVITY 2027N 07531W

NO APPARENT CHANGE IN CLOUD-FREE AREAS SINCE

25X1

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25X1

AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD 2229N 07955W

AIRCRAFT -- 12 FAGOT/FRESCO, 10 HOUND, AND 2 HARE.

25X1

HOLGUIN AIRFIELD 2047N 07618W

AIRCRAFT -- 6 FAGOT/FRESCO, 5 HOUND, AND ONE SINGLE-ENGINE AIRCRAFT OBSERVED IN CLOUD-FREE AREAS.

25X1

SIGUANEIA AIRFIELD 2138N 08257W

NO AIRCRAFT OBSERVED.

25X1

ANTONIO MACEO AIRFIELD 1958N 07550W

AIRCRAFT -- ONE C-47, 2 LIAISON, ONE HOUND, ONE HARE, AND ONE POSSIBLE HARE.

25X1

SAN JULIAN AIRFIELD 2205N 08409W

AIRCRAFT -- 8 FAGOT, 26 ZLIN TRENER, 10 LIAISON, ONE HARE, AND 7 PROBABLE ZLIN TRENER FUSELAGES.

25X1

COLONEL MARTIN MARRERRO AIRFIELD 2150N 08246W

NO AIRCRAFT OBSERVED IN CLOUD-FREE AREAS.

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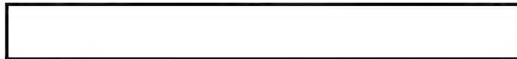
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NAVAL ACTIVITY/PORTS

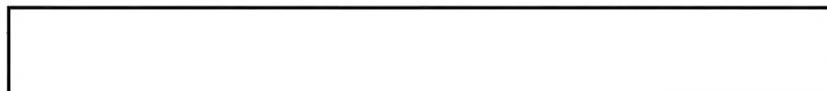
SIGUANEA NAVAL BASE 2136N 08258W

VESSELS -- 2 P-6 MTB, 3 YP, AND ONE UNIDENTIFIED
VESSEL APPROXIMATELY 85 FT IN LENGTH.



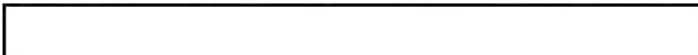
CIENFUEGOS NAVAL BASE 2208N 08027W

VESSELS -- 2 KRONSTADT-CLASS PC, ONE PCE, 6 P-6 MTB,
ONE YP, AND 4 LARGE FREIGHTERS.
THE 3-GUN AAA SITE PREVIOUSLY REPORTED AT UTM
17QNG559500 HAS BEEN RELOCATED AT UTM 17QNG566504.
(AMS SERIES E723, SHEET 4182-III, 2D ED).



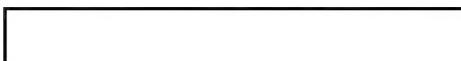
SANTIAGO DE CUBA NAVAL BASE AND PORT 2001N 07550W

VESSELS -- 2 LARGE AND 2 SMALL FREIGHTERS OBSERVED
IN CLOUD-FREE AREAS.



NUEVITAS PORT 2132N 07715W

VESSELS -- 2 LARGE FREIGHTERS.



LA ISABELA PORT 2256N 08000W

NO LARGE VESSELS OBSERVED IN CLOUD-FREE AREAS.



CAIBARIEN PORT 2231N 07928W

NO LARGE VESSELS OBSERVED.

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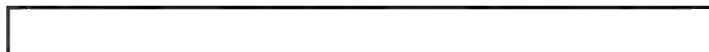
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CASILDA PORT 2145N 07959W

NO LARGE VESSELS OBSERVED.

25X1

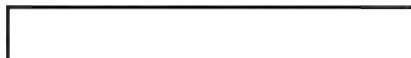


MILITARY ACTIVITY

GUANTANAMO AREA 2018N 07525W

NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1



HOLGUIN MILITARY CAMP 2053N 07613W

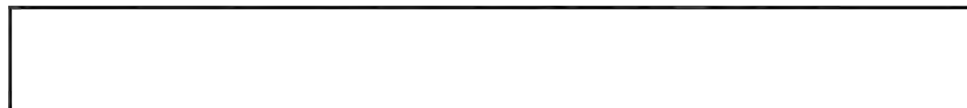
NO APPARENT CHANGE IN CLOUD-FREE AREAS SINCE

25X1



CAMAGUEY MILITARY CAMP COUNTRY CLUB 2121N 07751W

25X1



OFELIA MILITARY CAMP 2006N 07530W

NO APPARENT CHANGE IN FACILITIES.
THIRTY-EIGHT TANKS/SP GUNS, 95 CARGO TRUCKS, 3 VAN
TRUCKS, 2 UTILITY TRUCKS, ONE BULLDOZER, 5 OTHER
VEHICLES OR PIECES OF EQUIPMENT, 28 FA PIECES, 20
AAA PIECES, AND 18 MORTARS OBSERVED IN CLOUD-FREE
AREAS.

25X1



25X1

25X1

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REMEDIOS MILITARY AREA 2227N 07935W

25X1

ALL BARRACKS CONSTRUCTION IS COMPLETE. TWENTY-THREE LARGE TENTS (20 NON-SOVIET), 2 MEDIUM NON-SOVIET TENTS, AND ONE PROBABLE SMALL TENT OBSERVED IN CLOUD-FREE AREAS.

TWO BRDM APC, 9 CARGO TRUCKS, 20 PROBABLE CARGO TRUCKS, ONE POSSIBLE VAN TRUCK, 5 POSSIBLE UTILITY TRUCKS, 2 OTHER VEHICLES, 2 CARGO TRAILERS, AND 8 FA PIECES OBSERVED IN CLOUD-FREE AREAS. THE 6-GUN AAA SITE REMAINS OCCUPIED.

25X1

SANTA CLARA AREA MILITARY ACTIVITY 2220N 07957W

25X1

NO APPARENT CHANGE IN FACILITIES.
TWENTY-TWO TANKS/SP GUNS, 2 CARGO TRUCKS, AND 6 OTHER VEHICLES OBSERVED.

25X1

SANTA FE MILITARY CAMP LUMUMBA 2142N 08249W

NO APPARENT CHANGE IN FACILITIES.
SIX CARGO TRUCKS, ONE UTILITY TRUCK, AND 4 FA PIECES OBSERVED.
THE PREVIOUSLY REPORTED AAA SITE HAS ONLY 3 REVETTED POSITIONS AND IS OCCUPIED.

25X1

MATAGUA MILITARY CAMP 2215N 08002W

25X1

NO APPARENT CHANGE IN FACILITIES.
NO VEHICLES OR EQUIPMENT OBSERVED.

25X1

JURAGUA MILITARY ACTIVITY 2209N 08035W

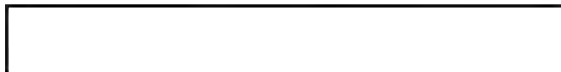
NO APPARENT CHANGE IN FACILITIES.
THIRTEEN CARGO TRUCKS, AT LEAST ONE OTHER VEHICLE, AND 16 FA PIECES OBSERVED.

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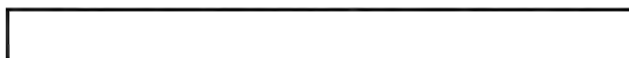
25X1



GUANE MILITARY CAMP 2212N 08408W

NO APPARENT CHANGE IN FACILITIES.
AT LEAST 19 TANKS/SP GUNS AND 38 CARGO TRUCKS
OBSERVED.
THE 3-GUN AAA SITE REMAINS OCCUPIED.

25X1



TRINIDAD AREA POSS MIL HEADQUARTERS 2150N 07953W

NO APPARENT CHANGE IN FACILITIES.
EIGHT CARGO TRUCKS AND 14 FA PIECES OBSERVED.

25X1



ANTON RECIO MILITARY INSTALLATION 2211N 08036W

NO APPARENT CHANGE IN FACILITIES.
TWENTY-TWO TANKS/SP GUNS, 3 CARGO TRUCKS, ONE PROBABLE
BRDM APC, AND AT LEAST 3 OTHER VEHICLES OBSERVED.
THE 6-GUN AAA SITE IS OCCUPIED. SEVEN CARGO TRUCKS
AND ONE UTILITY TRUCK OBSERVED AT SITE. THE AREA IS
BEING SECURED.

25X1



SANTA ISABEL FINCA MILITARY CAMP 2005N 07528W

MAIN CAMP -- 13 CARGO TRUCKS AND 4 FA PIECES OBSERVED
IN CLOUD-FREE AREAS.
CAMP ONE NM NORTH -- 10 CARGO TRUCKS AND 10 FA PIECES.

25X1



TACAJO MILITARY CAMP 2051N 07558W

AREAS 1 AND 6 -- CLOUD COVERED.
AREAS 2 AND 8 -- ABANDONED.
AREA 3 -- 18 CARGO TRUCKS AND 18 MORTARS.

25X1

25X1

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AREA 4 -- IDENTIFICATION ONLY.
AREA 5 -- 3 CARGO TRUCKS, 2 VAN TRUCKS, 3 OTHER
VEHICLES, ONE VAN TRAILER, AND 3 UNIDENTIFIED PIECES
OF EQUIPMENT OBSERVED IN CLOUD-FREE AREAS.
AREA 7 -- 8 CARGO TRUCKS.
AREA 9 -- 15 TANKS/SP GUNS AND 3 CARGO TRUCKS.
HAZE AND SCATTERED CLOUDS LIMIT INTERPRETATION.

25X1

DOS CAMINOS MILITARY TRAINING AREA 2014N 07547W

EIGHT TRACKED PRIME MOVERS, APPROXIMATELY 30 CARGO
TRUCKS, AND 6 FA PIECES OBSERVED IN CLOUD-FREE AREAS.

25X1

JAGUA MILITARY AREA 2205N 08029W

NO APPARENT CHANGE IN FACILITIES.
NINETEEN CARGO TRUCKS OBSERVED.

25X1

SANTA CLARA MILITARY CAMP CUBANACAN 2224N 07952W

CUBANACAN -- NO APPARENT CHANGE IN PERMANENT
FACILITIES. ELEVEN LARGE TENTS (10 NON-SOVIET), 3
MEDIUM NON-SOVIET TENTS, 27 CARGO TRUCKS, 7 VAN
TRUCKS, 6 UTILITY TRUCKS, 2 CARGO TRAILERS, AND 5
OTHER CANVAS-COVERED VEHICLES OR PIECES OF EQUIPMENT.
AREA 200 YD NORTH -- NO APPARENT CHANGE IN FACILITIES.
ONE CARGO TRUCK.
STORAGE AREA NORTH -- NO APPARENT CHANGE IN
FACILITIES. ONE CARGO TRUCK AND ONE OTHER VEHICLE.
ESCUELA TECNOLOGICA -- NO APPARENT CHANGE IN
FACILITIES. FOUR CARGO TRUCKS.

25X1

SANTA FE MILITARY AREA 2144N 08247W

ALL AREAS -- NO APPARENT CHANGE IN FACILITIES.

25X1

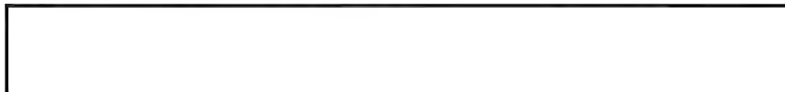
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MAIN CAMP -- 13 PROBABLE CARGO TRUCKS AND AT LEAST
17 FA PIECES.
AREA 1.5 NM WEST -- 4 PROBABLE CARGO TRUCKS AND AN
OCCUPIED 6-GUN AAA SITE.
AREA 4.8 NM NW -- A CONVOY OF 10 TANKS/SP GUNS,
27 CARGO TRUCKS (AT LEAST 7 WITH PROBABLE FA/AAA
PIECES IN TOW), AND ONE UTILITY TRUCK IS HEADED EAST,
OUT OF THE AREA. TWO OF THE 3-GUN AAA SITES ARE
OCCUPIED.
(SEE ATTACHMENT 2).

25X1



LA VEGA MILITARY CAMP 2053N 07552W



25X1

NO APPARENT CHANGE IN FACILITIES.
NINETEEN CARGO TRUCKS, AND 12 FA PIECES OBSERVED.
THE TWO 3-GUN AAA SITES REMAIN OCCUPIED.

25X1



25X1



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-STATUS OF OTHER TARGETS OBSERVED-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE
SINCE LAST COVERAGE--

SANTIAGO DE CUBA CRUISE-MISSILE STORAGE	2004N 07551W
LOS CANOS AIRFIELD	2005N 07509W
JAIME GONZALES AIRFIELD	2209N 08024W
TRINIDAD AIRFIELD	2147N 07959W
NUEVA GERONA PORT	2153N 08248W
JUCARO PORT	2137N 07851W
LA JUTIA MILITARY INSTALLATION	2154N 08015W
CAMAGUEY MILITARY INSTALLATION	2117N 07800W
SIBONEY LANDING BEACH	1957N 07542W
PLAYA YATERITAS LANDING BEACH	1958N 07457W
CIENFUEGOS LANDING BEACH	2202N 08036W
MAR VERDE LANDING BEACH	1957N 07557W
ENSENADA COLORADO LANDING BEACH	2202N 08025W
PLAYA COLOMBO LANDING BEACH	2154N 08246W
PLAYA DE FLAMENCOS LANDING BEACH	2153N 08243W
NICARO LANDING BEACH	2042N 07533W

25X1

25X1

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT
NOT INTERPRETED--

LA COLOMA SAM SITE 2	2219N 08334W
PINAR DEL RIO SAM ASSEMBLY AREA	2221N 08339W
CAMAGUEY INTERNATIONAL AIRFIELD	2125N 07750W
PINAR DEL RIO AIRFIELD	2225N 08340W
CAIBARIEN AIRFIELD	2230N 07928W
BANES NAVAL BASE	2055N 07542W
MANZANILLO PORT	2021N 07707W
PINAR DEL RIO MILITARY CAMP	2223N 08342W
CAMAGUEY MILITARY CAMP	2126N 07753W
MACAGUA MILITARY CAMP	2050N 07610W
ALTAGRACIA MILITARY AREA	2123N 07742W
MINAS MILITARY CAMP	2127N 07734W
SANTA CLARA AREA ARTILLERY TRAINING AREA	2222N 08000W
LA VEGUITA MILITARY CAMP	2049N 07615W
BARAJAGUA STORAGE DEPOT	2208N 08004W
MANICARAGUA STORAGE AREA	2206N 07958W

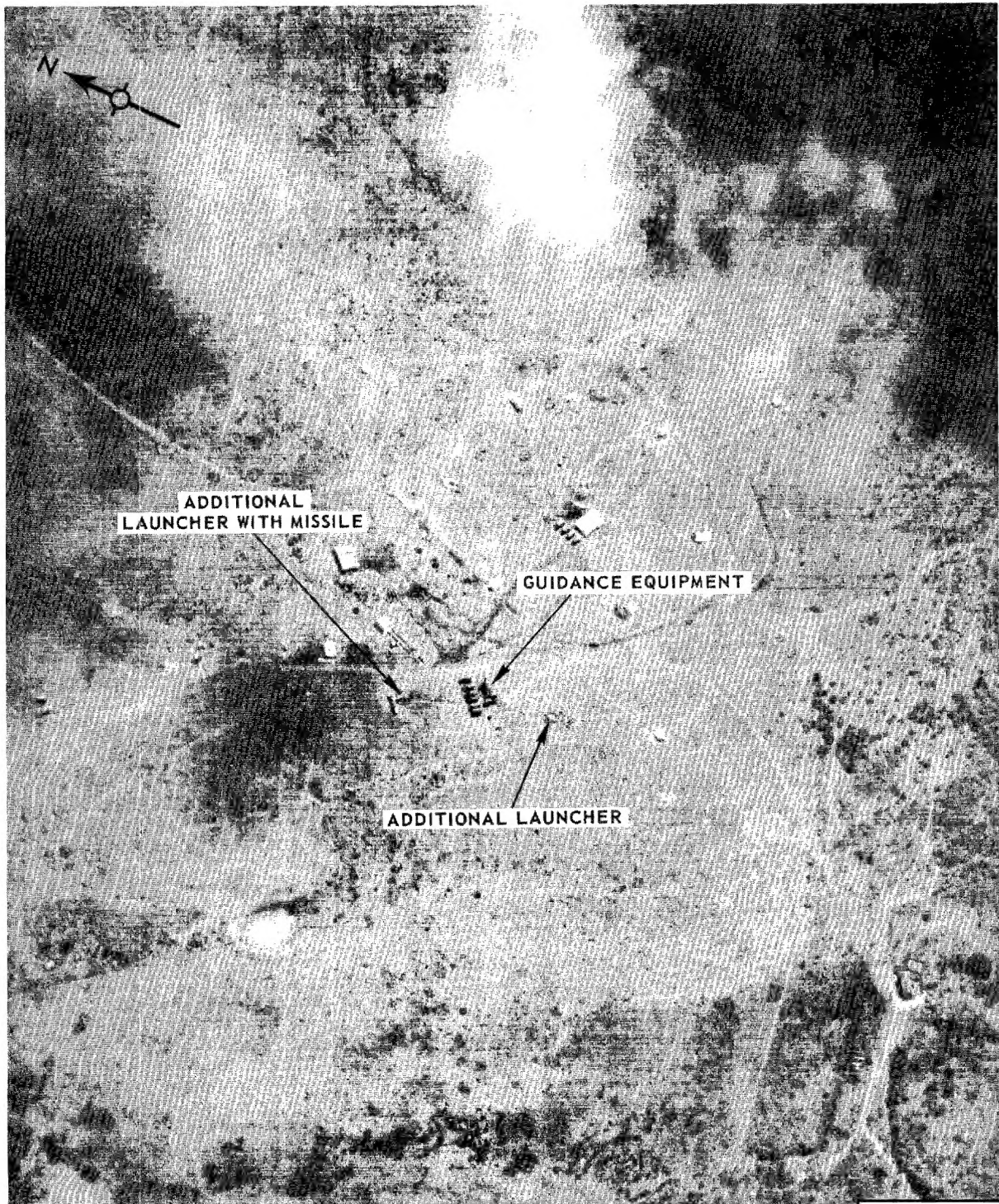
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ATTACHMENT 1

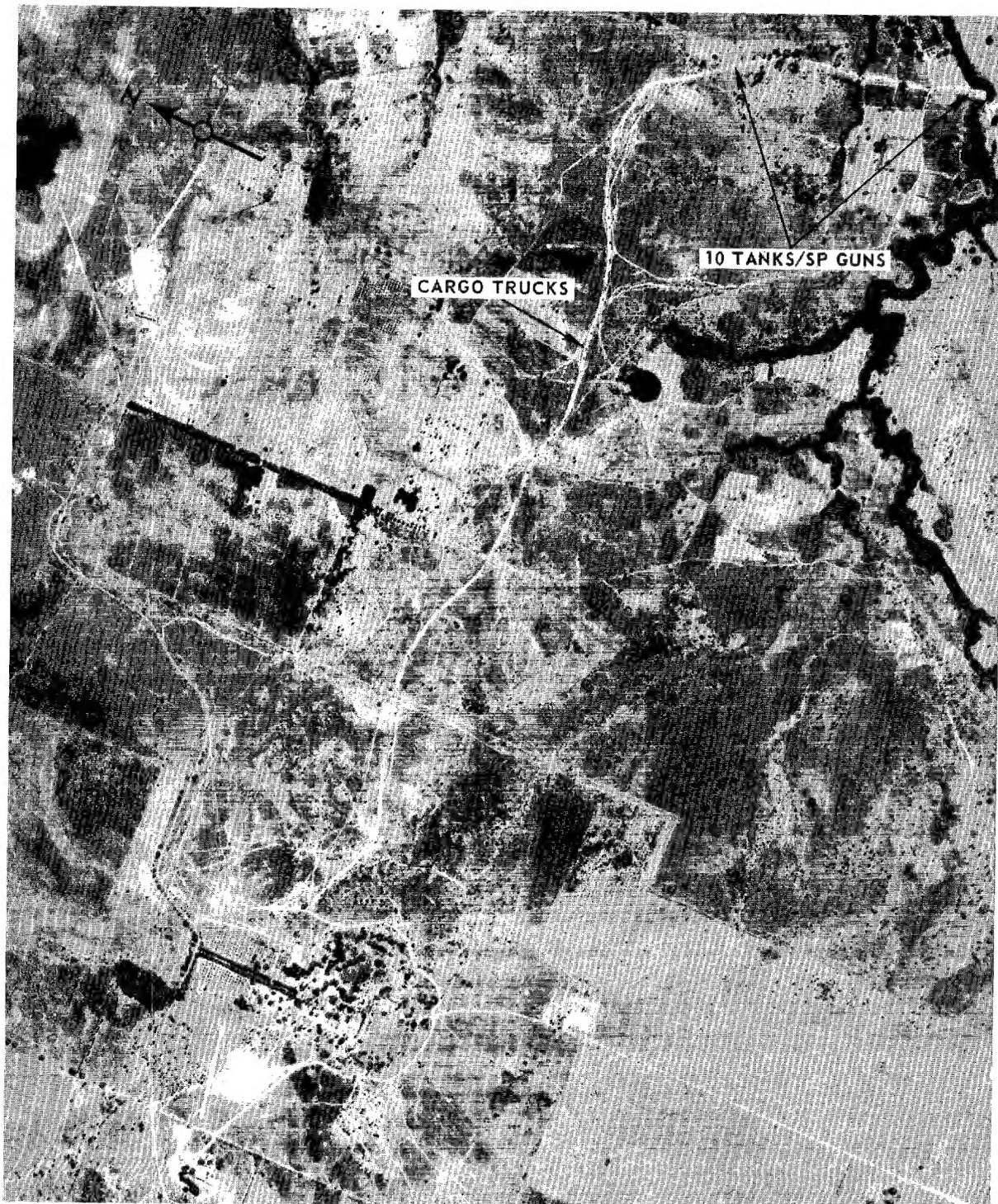


CAMAGUEY AIRFIELD SAM SITE

25X1

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SANTA FE MILITARY AREA (AREA 4.8 NM NW)

25X1

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